

## XP-002229599

AN - 1988-109818 [16]  
A - [001] 014 02& 03- 06- 080 09- 10& 139 15- 175 180 185 186 191 228 318  
32& 321 342 42- 428 431 44& 440 466 472 477 481 483 506 511 53& 532  
533 535 546 664 665 667 681  
AP - JP19860199980 19860828; JP19860199980 19860828  
CPY - KANE  
DC - A87 E19 F06  
FS - CPI  
IC - D06M11/08 ; D06M13/46 ; D06M15/27  
KS - 0042 0045 0204 0206 0211 0224 0226 0229 1276 1517 1731 1756 2274 2280  
2413 2434 2482 2486 2499 2528 2553 2723 2820 2821 3251  
MC - A08-S04 A08-S08 A12-S05R A12-S05S E05-G09A E05-G09C E10-A22A E10-A22E  
E10-A22G E31-K05 F03-C02A F03-C05  
M3 - [01] G010 G100 H1 H181 H401 H481 K0 L7 L722 M210 M211 M212 M213 M220  
M222 M223 M224 M225 M231 M232 M233 M273 M283 M311 M312 M320 M321 M332  
M342 M373 M383 M391 M414 M416 M510 M520 M531 M540 M620 M782 M903 M904  
Q130 Q323 Q603 R023; 8816-D3801-M; 3102-R 1678-D  
- [02] A111 A119 A940 B115 B702 B713 B720 B815 B832 B833 C101 C108 C500  
C800 C802 C803 C804 C805 C807 M411 M782 M903 M904 Q130 Q323 Q603 R023;  
8816-D3802-M; 3102-R 1678-D  
- [03] B415 B701 B713 B720 B815 B831 M210 M212 M213 M214 M215 M216 M220  
M221 M222 M223 M224 M225 M231 M232 M233 M272 M281 M282 M320 M411 M510  
M520 M530 M540 M620 M630 M782 M903 M904 Q130 Q323 Q603 R023;  
8816-D3803-M; 3102-R 1678-D  
PA - (KANE) KANEBO LTD  
PN - JP63059479 A 19880315 DW198816 006pp  
- JP2055550B B 19901127 DW199051 000pp  
PR - JP19860199980 19860828  
XA - C1988-049568  
XIC - D06M-011/08 ; D06M-013/46 ; D06M-015/27  
AB - J63059479 A textile material consisting of synthetic fibre is treated  
in a bath which contains a cationic antistatic agent, an anionic  
antistatic agent and a fluorine-based water repellent, followed by  
heat treatment of the textile material at 120 to 200 deg.C for 1 to 3  
minutes. The cationic antistatic agent is shown by formula (i) and the  
anionic antistatic agent is a mixt. of an organic salt of formula (ii)  
and an organic phosphoric ester of formula (iii) or (iv) in a ratio of  
1:3 to 3:1 by wt., where R = 8-18C alkyl gp.; R', R'' = 1-3C, R''' =  
-CH3, -CH2CH3, -CH2CH3OH or benzyl gp.; X = Cl, -CH3SO4 or CH3CH2SO4,  
where n = 1 or 2; A = H, NH4, Na or K, where R', R'', R''' = 2-18C  
alkyl gp.; A = H, NH4, Na or K. The fluorine-based water repellent is  
applied in 0.3 to 15, pref. 0.5 to 8% owf. Pref. are those having  
perfluoroalkyl gp. Ratio of total weight of the cationic and anionic  
antistatic agents to weight of the water repellent is 0.02 to 0.8. The  
processing bath should pref. contain an aminoplast resin such as  
dimethylol dihydroxyethylene urea and urea formaldehyde. The textile  
material includes woven, knitted and nonwoven fabrics.(0/0)  
AW - PERFLUOROALKYLATED  
AKW - PERFLUOROALKYLATED  
CN - 8816-D3801-M 8816-D3802-M 8816-D3803-M  
DRL - 3102-R 1678-D

IW - ANTISTATIC WATER REPEL FINISH TEXTILE COMPRISE SYNTHETIC FIBRE TREAT  
BATH CONTAIN CATION ANION ANTISTATIC AGENT FLUORINE BASED WATER REPEL  
IKW - ANTISTATIC WATER REPEL FINISH TEXTILE COMPRISE SYNTHETIC FIBRE TREAT  
BATH CONTAIN CATION ANION ANTISTATIC AGENT FLUORINE BASED WATER REPEL  
NC - 001

OPD - 1986-08-28

ORD - 1988-03-15

PAW - (KANE ) KANEBO LTD

TI - Antistatic and water-repellent finishing of textile - comprising  
synthetic fibre by treating in a bath contg. cationic and anionic  
antistatic agents and fluorine-based water repellent